



For State Use Only

Date Received: _____

Site No.: _____

Rivers Coordinator Notif. Date: _____

APPLICATION FOR GROUNDWATER DISCHARGE PERMIT

The GROUNDWATER DISCHARGE PERMIT is a permit issued under RSA 485-A:13 and Env-Ws 1500 for the discharge of wastewater to the ground or groundwater. (Examples include rapid infiltration basins, unlined septage and sludge lagoons, septic systems not meeting the nitrate setback requirements, spray irrigation of treated wastewater, leaching wastewater lagoons, and facilities discharging wastewater containing regulated contaminants which are treated with Best Available Technology.)

SUBMIT

- ONE SIGNED AND COMPLETED APPLICATION
- SUPPORTING INFORMATION
- \$1,000 APPLICATION FEE (in the form of a check payable to the "State of NH-D.E.S. (RA# 7383)" (State and local government including counties and political subdivisions are exempt)

TO:

NHDESIWater Division
Groundwater Discharge Permit Coordinator
Water Supply Engineering Bureau
6 Hazen Drive
P.O. Box 95
Concord, NH 03302-0095

If you have any questions, please contact the Groundwater Discharge Permit Coordinator at (603) 271-2513.

CERTIFICATION OF NOTICE TO LOCAL TOWN/CITY CLERK

In order to meet the requirements of Env-Ws 1504.04, the undersigned certifies that on ____ _20, _ a copy of this completed permit application was given to the Town/City Clerk of _____
(The town in which the facility requesting a permit is located).

Date: _____ Signed: _____
Applicant

I. Activity Type

- ☐ Discharge from an unlined domestic wastewater lagoon.
- ☐ Discharge from an unlined septage or sludge lagoon.
- ☐ Land application of domestic wastewater.
- ☐ Discharge of domestic wastewater from a subsurface disposal system with a design flow equal to or greater than 20,000 gallons per day.
- ☐ Discharge of domestic wastewater from subsurface disposal systems with aggregate design flows equal to or greater than 1,000 gpd for a single lot which does not meet the minimum nitrate setback distances.
- ☐ Discharge of nondomestic wastewater which contains a regulated contaminant and which has received treatment by Best Available Technologies before discharge.

II. Facility Information

Facility Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Tax Map: _____ Lot Number: _____

Deed Reference: County: _____ Book and Page: _____

III. Property Owner Information (Permit Applicant)

Property Owner Name: _____ Telephone: (____) _____

Mailing Address: _____

City/Town: _____ State: _____ Zip: _____

IV. Facility Owner Information (complete only if different from property owner*)

Facility Owner Name: _____ Telephone: (____) _____

Mailing Address: _____

City/Town: _____ State: _____ Zip: _____

[* NOTE: The permit shall be obtained by the landowner unless a joint permit is requested OR a deeded easement, for a minimum of 20 years, had been granted by the landowner to the applicant for exclusive use of the groundwater as a receiving medium .1

V. Facility Operator Information (complete only if different from facility owner)

Facility Operator Name _____ Telephone: (____) _____

Mailing Address: _____

City/Town: _____ State: _____ Zip: _____

VI. Contact Person Information (complete only if different from facility operator)

Contact Person Name: _____ Telephone: (____) _____

Mailing Address: _____

City/Town: _____ State: _____ Zip: _____

VII. Facility Activity Information

Briefly describe the facility, its intended capacity, and types of waste or wastewater handled, together with supporting information describing the process involved in the treatment, storage, or disposal of the waste or wastewater.

VIII. Discharge

- A. Type of discharge (primary or secondary domestic wastewater effluent, septage, etc.). Attach analytical results, if available: _____
Volume of discharge (GPD): _____ Septage (GPY) _____
Total number of designed discharge points (i.e. leachfield, dry wells): _____
Hydraulic loading rate(s) (attach calculations, if applicable): _____
Estimated construction time and projected start-up date (for new facilities only): _____
- B. In the case of industries, all pertinent information, including Standard Industrial Code (SIC) concerning processes, production, and associated waste streams and treatment shall be included with this application.

IX. Supporting Information

Use this check list as a guide to submitting all needed information, check "Y" (Yes), or "NA" (Not Applicable). (Supplemental information sheets specific to various types of discharges are available and can be obtained by calling (603) 271-2858. If your activity is not directly described, submittal requirements will be determined on a case by case basis. If you check "NA" in the following checklist, please submit a comprehensive narrative of the activities to be permitted.)

Y N/A

- | | | |
|--------------------------|--------------------------|--|
| <input type="checkbox"/> | | A. USGS map (7½ minute series if available) which clearly identifies the facility location |
| | | B. For discharges of domestic wastewater, a groundwater discharge zone map, using a tax map as a base, which identifies and locates the following: |
| <input type="checkbox"/> | | 1. Groundwater discharge zone boundary; |
| <input type="checkbox"/> | <input type="checkbox"/> | 2. Deeded easements which restrict the use of the groundwater; |
| <input type="checkbox"/> | <input type="checkbox"/> | 3. Streets within 1,000 feet of the groundwater discharge zone; |
| <input type="checkbox"/> | <input type="checkbox"/> | 4. Properties (including tax map and lot, ownership and land use information) within 1,000 feet of the groundwater discharge zone; |
| <input type="checkbox"/> | <input type="checkbox"/> | 5. Surface water bodies within 1,000 feet of the groundwater discharge zone including their designated river classification; |
| <input type="checkbox"/> | <input type="checkbox"/> | 6. Water supply sources (including type of use) within 1,000 feet of the groundwater discharge zone; and |
| <input type="checkbox"/> | <input type="checkbox"/> | 7. Source water protection areas within 1,000 feet of the groundwater discharge zone. |
| | | C. Detailed scaled facility plan prepared in accordance with the following: |
| <input type="checkbox"/> | * | 1. The plan shall include a title, a legend, and a true north arrow; |
| <input type="checkbox"/> | * | 2. The plan shall be drawn to scale and the scale shall be noted on the plan and include a graphic scale bar; |
| <input type="checkbox"/> | | 3. The base plan sources from which the facility plan was derived shall be noted on the plan; |
| <input type="checkbox"/> | | 4. The location, elevation, and datum of a bench mark shall be included. If a bench mark referenced to the National Geodetic Vertical Datum (NGVD) is within 1,000 feet of the facility, elevation shall be recorded using NGVD, and the source of the NGVD bench mark information shall be noted on the plan; |
| <input type="checkbox"/> | | 5. Ground surface spot elevations and appropriate contours shall be shown; |
| <input type="checkbox"/> | | 6. The facility plan shall identify and locate the following: |
| | * | a. Wastewater application and unlined lagoon areas including total land area available and area to be used; |
| <input type="checkbox"/> | * | b. Existing and proposed groundwater monitoring wells that will be monitored; |
| <input type="checkbox"/> | <input type="checkbox"/> | * c. Surface water sampling points; |
| <input type="checkbox"/> | * | d. Groundwater contours within 100 feet of the groundwater discharge zone; |
| <input type="checkbox"/> | <input type="checkbox"/> | * e. Surface water bodies within 100 feet of the groundwater discharge zone; |
| <input type="checkbox"/> | <input type="checkbox"/> | * f. Deeded easements which restrict the use of the groundwater; |
| <input type="checkbox"/> | <input type="checkbox"/> | * g. Groundwater discharge zone boundaries; |
| <input type="checkbox"/> | <input type="checkbox"/> | h. Land surface contours within 100 feet of the groundwater discharge zone; |

Y N/A

- | | | |
|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | i. Piezometers used to develop the groundwater contours and/or monitor groundwater mounding; |
| <input type="checkbox"/> | | j. Table of water level measurements and elevations found in piezometers and monitoring wells used to develop the groundwater contours; |
| <input type="checkbox"/> | <input type="checkbox"/> | k. Soil borings and test pits within 100 feet of the groundwater discharge zone; |
| <input type="checkbox"/> | <input type="checkbox"/> | l. Physical structures and buildings associated with the facility; |
| <input type="checkbox"/> | <input type="checkbox"/> | m. Surface and underground storage tanks associated with the facility; |
| <input type="checkbox"/> | <input type="checkbox"/> | n. Underground utilities at the facility; and |
| <input type="checkbox"/> | <input type="checkbox"/> | o. Subsurface drains at the facility. |
| <input type="checkbox"/> | | 7. All plans and specifications shall be stamped by a professional engineer registered in NH. |
| <input type="checkbox"/> | | D. In addition to the facility plan, a copy of the plan scaled to fit on an 8½" x 11" or 11" x 17" sheet and modified to make the items starred (*) in Part IX (C) above legible. |
| <input type="checkbox"/> | <input type="checkbox"/> | E. A table, in a format prescribed by the division, summarizing all monitoring results to date from existing monitoring points; |
| <input type="checkbox"/> | <input type="checkbox"/> | F. A list of reports on land use history, activities, water quality and hydrogeology associated with the property on which the facility is located; |
| <input type="checkbox"/> | | G. A detailed proposal for a water quality monitoring program, including proposed monitoring schedule, parameters to be analyzed and monitoring locations, with supporting information justifying the locations, frequency and parameters selected. |
| <input type="checkbox"/> | <input type="checkbox"/> | H. A nitrate or contaminant movement study. |
| <input type="checkbox"/> | <input type="checkbox"/> | I. For new sites: |
| | | 1. A site specific soil map of the proposed groundwater discharge zone prepared in accordance with the site specific soil mapping standards for New Hampshire and Vermont; and |
| | | 2. A description of the geology of the site, including a description of surficial geologic materials, estimates of hydraulic conductivity, hydraulic gradients, and seepage velocity. |
| <input type="checkbox"/> | <input type="checkbox"/> | J. Verification from the Department of Resources & Economic Development that no presence of threatened or endangered species exists on the site. |
| <input type="checkbox"/> | | K. Test pit data and boring log data including textural description, drilling methods, blow counts and water table observation. |
| <input type="checkbox"/> | <input type="checkbox"/> | L. Well construction details of existing monitoring wells, top of well casing elevations, measured depth to water table from top of casing; |
| <input type="checkbox"/> | <input type="checkbox"/> | M. Documentation, filed in the registry of deeds, which acknowledges that the use of groundwater within the groundwater discharge zone for drinking water wells shall be restricted by easement ownership rights, (if the applicant does not own all applicable land); |
| <input type="checkbox"/> | <input type="checkbox"/> | N. Status of dMision approval of design plans and operations manual for the wastewater treatment system. |
| | | O. A copy of the permit, or application if a permit is not yet issued, for: |
| <input type="checkbox"/> | <input type="checkbox"/> | 1. A site specific permit for drainage and erosion control measures; |
| <input type="checkbox"/> | <input type="checkbox"/> | 2. A septage or sludge management permit; and |
| <input type="checkbox"/> | <input type="checkbox"/> | 3. A dam permit for bermed or dammed structures. |

X Permit Issuance Information

- A. Within 90 days from the receipt of a complete permit application, the Department of Environmental Services (the department) shall issue a permit for a period of five years subject to renewal or deny the application. The department shall notify the applicant of its decision, in writing.
- B. The department shall place conditions upon a groundwater discharge permit as required to assure conformance with these rules.
- C. The department may enter any permitted facility for the purpose of collecting information, examining records, collecting samples, or undertaking other action associated with the permit.
- D. The permittee shall submit to the department before facility start-up, an as-built site plan on an 8½" x

11" or 11" x 17" sheet and boring logs and well construction details of wells installed after permit issuance.

- E. The permittee shall submit one complete set of water quality results to the department before facility start-up.
- F. The permittee shall apply for the renewal of the permit 90 days prior to its expiration date. The permittee shall continue to comply with all conditions in the original permit until permit renewal or facility closure. (See Env-Ws 1506.03 for renewal criteria and Env-Ws 1600 for closure requirements).
- G. A permittee may request a permit modification or permit termination by submitting a written request to the department, including the reasons for the modification or termination and a table (in a format prescribed by the department) summarizing all monitoring results to date from existing monitoring points. The department shall modify or terminate the permit or deny the request, stating the reasons for the denial in writing, within 90 days of receipt of the request. (See Env-Ws 1506.02 for further information).
- H. Prior to transfer of ownership of a facility, the permittee shall file a written request with the department for a transfer of the permit to the new owner. The request shall include a summary of all monitoring results to date in a format prescribed by the department. Within 90 days of receiving a request for transfer, the department shall notify the present permittee and the new permittee of its decision in writing. Within 90 days from the date of approval of transfer, the new permittee shall notify the department in writing of its acceptance of the permit. (See Env-Ws 1506.03 for further information).

XI CERTIFICATION

To the best of my knowledge, the data and information which I have submitted to obtain the Groundwater Discharge Permit from the New Hampshire Department of Environmental Services, are true and correct.

The undersigned certifies that application has been made for all required state or federal permits and that they agree to abide by all applicable rules and conditions of the permit or registration, if issued.

Date: _____ Signed: _____
Permit Applicant (Property Owner)

No liability is incurred by the State by reason of any approval for a Groundwater Discharge Permit. Approval by the Department is based on information supplied by the applicant. No guarantee is intended or implied by reason of any advice given by the Department or its staff.
